



PA-Score 2.1 Scoresheets
IDEAL PLATING AND POLISHING CO. INC - 09/14/93

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OMB Approval Number: 2050-0095
 Approved for Use Through: 4/95

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM			IDENTIFICATION				
			State: NJ	CERCLIS Number: D087280038			
			CERCLIS Discovery Date:				
1. General Site Information							
Name: IDEAL PLATING AND POLISHING CO. INC			Street Address: 681 MAIN STREET				
City: BELLEVILLE	State: NJ	Zip Code: 07109	County: ESSEX	Co. Code: 07	Cong. Dist: 11		
Latitude: 40° 48' 24.0"	Longitude: 74° 8' 26.0"	Approx. Area of Site: 15 acres	Status of Site: Active				
2. Owner/Operator Information							
Owner: BELLEVILLE INDUSTRIAL CENTER			Operator: IDEAL PLATING AND POLISHING CO. INC				
Street Address: 681 MAIN STREET			Street Address: 681 MAIN STREET				
City: BELLEVILLE			City: BELLEVILLE				
State: NJ	Zip Code: 07109	Telephone: (201) 751-0360	State: NJ	Zip Code: 07109	Telephone: (201) 759-5559		
Type of Ownership: Private			How Initially Identified: RCRA/CERCLA Notification				

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
		State: NJ	CERCLIS Number: D087280038
		CERCLIS Discovery Date:	
3. Site Evaluator Information			
Name of Evaluator: NICK SODANO		Agency/Organization: NJDEPE/DRPSR/BFO-SA	Date Prepared: 9/10/93
Street Address: 300 HORIZON CENTER		City: ROBBINSVILLE	State: NJ
Name of EPA or State Agency Contact: KEN KLOO		Telephone: 609-584-4280	
Street Address: 300 HORIZON CENTER		City: ROBBINSVILLE	State: NJ
4. Site Disposition (for EPA use only)			
Emergency Response/Removal Assessment Recommendation: No Date: NA	CERCLIS Recommendation: Higher Priority SI Date: 9/10/93	Signature: Name: NICK SODANO Position: HSMS II	

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
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5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site: Industrial Residential	Site Setting: Urban	Years of Operation: Beginning Year: 1979 Ending Year: 1993
Type of Site Operations: Manufacturing Metal Coatings, Plating, Engraving Other: The site is located within an industri		Waste Generated: Onsite
		Waste Deposition Authorized By: Present Owner
		Waste Accessible to the Public No
		Distance to Nearest Dwelling, School, or Workplace: 0 Feet

6. Waste Characteristics Information

Source Type Quantity Tier Other 1.00e+00 cu yds V Contaminated soil 1.00e+00 cu ft V Contaminated soil 1.00e+00 cu yds V Contaminated soil 1.00e+00 cu yds V	General Types of Waste: Metals Organics Solvents Oily Waste
Tier Legend C = Constituent W = Wastestream V = Volume A = Area	Physical State of Waste as Deposited Liquid

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
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	CERCLIS Discovery Date:	

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles: No	Is There a Suspected Release to Ground Water: Yes	List Secondary Target Population Served by Ground Water Withdrawn From: 0 - 1/4 Mile 0 >1/4 - 1/2 Mile 0 >1/2 - 1 Mile 0 >1 - 2 Miles 0 >2 - 3 Miles 90000 >3 - 4 Miles 160000 Total 250000
Type of Ground Water Wells Within 4 Miles: Municipal	Have Primary Target Drinking Water Wells Been Identified: No	
Depth to Shallowest Aquifer: 30 Feet Karst Terrain/Aquifer Present: Yes	Nearest Designated Wellhead Protection Area: None within 4 Miles	

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8. Surface Water Pathway

Part 1 of 4

Type of Surface Water Draining
Site and 15 Miles Downstream:
River
Bay

Shortest Overland Distance From Any
Source to Surface Water:

1200 Feet
0.2 Miles

Is there a Suspected Release to
Surface Water: No

Site is Located in:
> 500 yr floodplain

8. Surface Water Pathway

Part 2 of 4

Drinking Water Intakes Along the Surface Water Migration Path: No

Have Primary Target Drinking Water Intakes Been Identified: No

Secondary Target Drinking Water Intakes:
None

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8. Surface Water Pathway

Part 3 of 4

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

Secondary Target Fisheries:

Fishery Name	Water Body Type/Flow(cfs)
PASSAIC RIVER	large stream/river/ >1000-10000

8. Surface Water Pathway

Part 4 of 4

Wetlands Located Along the Surface Water Migration Path? (y/n) Yes

Have Primary Target Wetlands Been Identified? (y/n) No

Secondary Target Wetlands:

Water Body/Flow(cfs)	Frontage(mi)
moderate-large stream/ >100-1000	>3 to 4

Other Sensitive Environments Along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Sensitive Environments:

None

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9. Soil Exposure Pathway

Are People Occupying Residences or
Attending School or Daycare on or
Within 200 Feet of Areas of Known
or Suspected Contamination: Yes
Total Resident Population: 500

Number of Workers Onsite: 1 - 100

Have Terrestrial Sensitive Environments Been Identified on or Within
200 Feet of Areas of Known or Suspected Contamination: No

10. Air Pathway

Total Population on or Within:	
Onsite	3
0 - 1/4 Mile	2500
>1/4 - 1/2 Mile	5000
>1/2 - 1 Mile	10000
>1 - 2 Miles	40000
>2 - 3 Miles	90000
>3 - 4 Miles	160000
Total	307503

Is There a Suspected Release to Air: No

Wetlands Located
Within 4 Miles of the Site: No

Other Sensitive Environments Located
Within 4 Miles of the Site: Yes

Sensitive Environments Within 1/2 Mile of the Site:

Distance	Sensitive Environment Type/Wetlands Area(acres)
>1/4 - 1/2	Habitat for Federally designated endangered/threatened species

PA-Score

PA SCORESHEETS

Site Name: IDEAL PLATING AND POLISHING CO. INC
CERCLIS ID No.: D087280038
Street Address: 681 MAIN STREET
City/State/Zip: BELLEVILLE, NJ 07109

Investigator: NICK SODANO
Agency/Organization: NJDEPE/DRPSR/BFO-SA
Street Address: 300 HORIZON CENTER
City/State: ROBBINSVILLE, NJ

Date: 9/10/93

WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1 SEEPAGE PIT	Other	WQ value	maximum
Volume	1.00E+00 cu yds	4.00E-01	4.00E-01
2 SURFACE SPILL	Contaminated soil	WQ value	maximum
Volume	1.00E+00 cu ft	1.48E-05	1.48E-05
3 SURFACE SPILL	Contaminated soil	WQ value	maximum
Volume	1.00E+00 cu yds	4.00E-04	4.00E-04
4 SURFACE SPILL	Contaminated soil	WQ value	maximum
Volume	1.00E+00 cu yds	4.00E-04	4.00E-04

WQ total 4.01E-01

** Only First WC Page Is Printed **

Waste Characteristics Score: WC = 18

Ground Water Pathway Criteria List
 Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? (y/n/u)	N
Is the infiltration rate high? (y/n/u)	N
Is the site located in an area of karst terrain? (y/n)	Y
Is the subsurface highly permeable or conductive? (y/n/u)	N
Is drinking water drawn from a shallow aquifer? (y/n/u)	N
Are suspected contaminants highly mobile in ground water? (y/n/u)	Y
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	N

Other criteria? (y/n) Y Possible seepage pit for industrial waste

SUSPECTED RELEASE? (y/n) Y

Summarize the rationale for Suspected Release:

The site contains a drain which has residue that matches the color of metal plating bath solutions used at the facility. The drain, which has a pipe leading to it from the facility, is partially lined with bricks. A discharge pipe from the drain was not observed and it was clogged with debris.

Ground Water Pathway Criteria List
 Primary Targets

Is any drinking water well nearby? (y/n/u)	N
Has any nearby drinking water well been closed? (y/n/u)	Y
Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)	U
Does any nearby well have a large drawdown/high production rate? (y/n/u)	U
Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)	N
Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)	N
Does any drinking water well warrant sampling? (y/n/u)	N

Other criteria? (y/n) N

PRIMARY TARGET(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Targets:

GROUND WATER PATHWAY SCORESHEETS

Pathway Characteristics

Pathway Characteristics			Ref.
Do you suspect a release? (y/n)	Yes	II, K, 2B	
Is the site located in karst terrain? (y/n)	Yes		
Depth to aquifer (feet):	30		
Distance to the nearest drinking water well (feet):	10400		
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	550		II, K, 2B
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		QQ QQ, 5 QQ
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) Y	10769	0	
5. NEAREST WELL	20	0	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	5	0	
T =	10794	0	

WASTE CHARACTERISTICS

WC =

18	0
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GROUND WATER PATHWAY SCORE:

100

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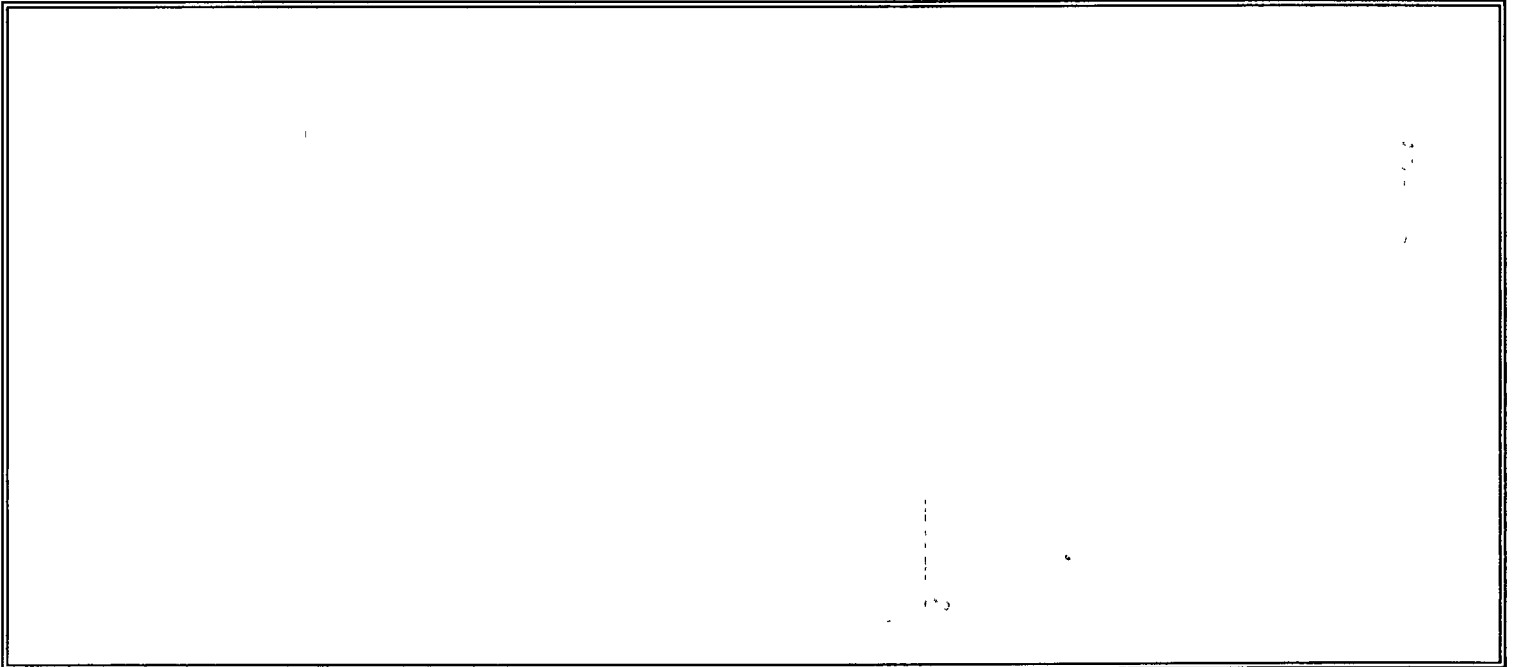
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Ground Water Target Populations

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***				Total

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	0		0
Greater than 1/4 to 1/2 mile	0		0
Greater than 1/2 to 1 mile	0		0
Greater than 1 to 2 miles	0		0
Greater than 2 to 3 miles	90000		2607
Greater than 3 to 4 miles	160000		8162
Total			10769

Apportionment Documentation for a Blended System



Surface Water Pathway Criteria List
 Suspected Release

Is surface water nearby? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is the drainage area large? (y/n/u)	N
Is rainfall heavy? (y/n/u)	N
Is the infiltration rate low? (y/n/u)	Y
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	Y
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	N
Is vegetation stressed along the probable runoff path? (y/n/u)	N
Are sediments or water unnaturally discolored? (y/n/u)	N
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	N
Is ground water discharge to surface water likely? (y/n/u)	Y
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	Y

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

Surface Water Pathway Criteria List
Primary Targets

Is any target nearby? (y/n/u)	If yes:	Y
Drinking water intake		
Y Fishery		
Y Sensitive environment		
Has any intake, fishery, or recreational area been closed? (y/n/u)		N
Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u)		Y
Does any target warrant sampling? (y/n/u)	If yes:	N
Drinking water intake		
N Fishery		
N Sensitive environment		

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n)

Summarize the rationale for Primary Intakes:

continued -----

continued -----

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:

Other criteria? (y/n) N

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	II
Distance to surface water (feet):			1200	
Flood frequency (years):			>500	
What is the downstream distance (miles) to:				
a. the nearest drinking water intake?			N.A.	
b. the nearest fishery?			0.2	
c. the nearest sensitive environment?			0.2	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0		II	
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			L, F F
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					
Total Primary Target Population Value					0
Total Secondary Target Population Value					0

*** Note : Maximum of 6 Intakes Are Printed ***

Apportionment Documentation for a Blended System

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Human Food Chain Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			1
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	12	
T =	0	12	

Human Food Chain Threat Targets

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 PASSAIC RIVER	N	>1000-10000 cfs		12
Total Primary Fisheries Value				0
Total Secondary Fisheries Value				0

*** Note : Maximum of 6 Fisheries Are Printed ***

Environmental Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			1
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	10	
T =	0	10	

Environmental Threat Targets

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 WETLANDS	N	>100-1000 cfs		0
Total Primary Sensitive Environments Value				0
Total Secondary Sensitive Environments Value				0
*** Note: Maximum of 6 Sensitive Environments Are Printed ***				

Surface Water Pathway Threat Scores

Threat	Likelihood of Release (LR) Score	Targets (T) Score	Pathway Waste Characteristics (WC) Score	Threat Score $LR \times T \times WC / 82,500$
Drinking Water	500	5	18	1
Human Food Chain	500	12	18	1
Environmental	500	10	18	1

SURFACE WATER PATHWAY SCORE:

3

Soil Exposure Pathway Criteria List
 Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	Y
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	N
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	Y
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	U
Does any neighboring property warrant sampling? (y/n/u)	Y

Other criteria? (y/n) Y Access to area is possible, but limited

RESIDENT POPULATION IDENTIFIED? (y/n) Y

Summarize the rationale for Resident Population:

The waste oil spills are very accessible, but are small. The larger area of concern is the seepage pit which is very inaccessible and not a big direct contact threat in any case.

SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics

	Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n) Yes	
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n) Yes	
Is the facility active? (y/n): Yes	

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	II

Targets

2. RESIDENT POPULATION 500 resident(s) 0 school/daycare student(s)	5000	II
3. RESIDENT INDIVIDUAL	50	II
4. WORKERS 1 - 100	5	
5. TERRES. SENSITIVE ENVIRONMENTS	0	II
6. RESOURCES	5	
T =	5060	

WASTE CHARACTERISTICS

WC =

18

RESIDENT POPULATION THREAT SCORE:

100

NEARBY POPULATION THREAT SCORE:

1

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE:

100

Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed ***

Air Pathway Criteria List
Suspected Release

Are odors currently reported? (y/n/u) N

Has release of a hazardous substance to the air
been directly observed? (y/n/u) N

Are there reports of adverse health effects (e.g., headaches,
nausea, dizziness) potentially resulting from migration
of hazardous substances through the air? (y/n/u) N

Does analytical/circumstantial evidence suggest release to air? (y/n/u) N

Other criteria? (y/n) Y Air pollution permits

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

AIR PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref. II, 26
Distance to the nearest individual (feet):			0	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0		II, 26	
2. NO SUSPECTED RELEASE		500		
LR =	0	500		

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		II, 26
4. SECONDARY TARGET POPULATION	0	140	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =	0	165	

WASTE CHARACTERISTICS

WC =

0	18
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AIR PATHWAY SCORE:

18

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	3		1
Greater than 0 to 1/4 mile	2500		41
Greater than 1/4 to 1/2 mile	5000		28
Greater than 1/2 to 1 mile	10000		8
Greater than 1 to 2 miles	40000		27
Greater than 2 to 3 miles	90000		12
Greater than 3 to 4 miles	160000		23
Total Secondary Population Value			140

Air Pathway Primary Sensitive Environments

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

*** Note : Maximum of 7 Sensitive Environments Are Printed***

Air Pathway Secondary Sensitive Environments

Sensitive Environment Name	Distance	Reference	Value
1 WETLANDS	>1/4-1/2		0.0
None			
Total Secondary Sensitive Environments Value			

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SITE SCORE CALCULATION

SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	100
SURFACE WATER PATHWAY SCORE:	3
SOIL EXPOSURE PATHWAY SCORE:	100
AIR PATHWAY SCORE:	18
SITE SCORE:	71

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

If yes, identify the well(s).

If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
- A. Drinking water intake No
 - B. Fishery No
 - C. Sensitive environment (wetland, critical habitat, others) No

If yes, identity the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? Yes

If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

If yes, explain:

REFERENCE LIST